



› Case study

Optimising efficiency in maintenance and repairs

COMPANY

AWI – Biologische Anstalt
Heligoland

DATE

2022

LOCATION

Heligoland, Germany

PRODUCT

PORTAGANTRY RAPIDE



By utilising the **PORTA**GANTRY RAPIDE we were able to lift our pumps and measuring devices that help us perform valuable research here on Heligoland and ensure that they are in top-notch condition.

MICHAEL FIETZ, FIELD ENGINEER

AWI were able to use a **PORTA**GANTRY RAPIDE to increase efficiency of maintenance and repairs to water pumps, housed within 10 metre deep shafts on German marine research island Heligoland in the North Sea.

The background

AWI – Biologische Anstalt Heligoland is part of the Alfred Wegener Institute at the Helmholtz Centre for Polar and Marine Research. Their scientists study the ecology of coastal and shelf sea systems. Heligoland is the only island off Germany's mainland and is in the open sea, approximately 43½ miles from the shore. It is rich with marine animal and plant life, referred to by some as an oasis; research has been carried out there since 1892. They carry out polar and marine research in cold and temperate regions of the world, specifically surrounding climate change and how the earth develops.

The challenge

In order to carry out their research and gather the necessary measurements they need, AWI use measuring equipment and pumps that are housed in 10 metre shafts across the island. These chambers need to be accessed to carry out any necessary maintenance or repair work. They wanted to increase efficiency of repairs across the island and sought a solution to optimise time and effort of the work force.

The solution

REID's channel partner TOMANRO recommended a 1000kg **PORTA**GANTRY RAPIDE variant as the ideal multi-use solution to lift pumps and equipment from the shafts as well as acting as a fall arrest anchorage, helping to increase efficiency and safety while carrying out essential repairs, replacements, or maintenance.

The **PORTA**GANTRY RAPIDE is a rapidly deployable, foldable gantry crane that has been designed for optimising completion of tasks and portability, equipped with a wheel and handle for full portability and capable of lifting up to 1000kg in goods and equipment. This system provided AWI an efficient, workable one-tool solution which was ideal for supporting the lifting challenges that they were faced with, while keeping the user as safe as possible in potentially dangerous environments.

The feedback

"By utilising the **PORTA**GANTRY RAPIDE we were able to lift our pumps and measuring devices that help us perform valuable research here on Heligoland and ensure that they are in top-notch condition." - Michael Fietz, Field Engineer

Get in touch to find out how we can help with your lifting and lowering requirements:

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